

AMENDMENTS TO THE CLAIMS

1-10. (Canceled)

11. (Previously Presented): A method of fabricating a ferroelectric liquid crystal display, comprising:

joining an upper substrate provided with a transparent electrode and an alignment film to a lower substrate opposed to the upper substrate and provided with a pixel electrode and an alignment film;

providing a ferroelectric liquid crystal having a photo crosslinkable or light-hardening polymer between the joined upper and lower substrates;

uniformly aligning the ferroelectric liquid crystal by applying a direct current voltage to the electrodes of the upper and lower substrates; and

exposing an ultraviolet light to the uniformly aligned ferroelectric liquid crystal to form a polymer network after the ferroelectric liquid crystal is changed from a nematic phase or an isotropic phase into a smectic phase.

12. (Original): The method according to claim 11, wherein a temperature upon injection of the ferroelectric liquid crystal is above a temperature which causes a phase transition from a smectic phase into a nematic phase.

13. (Canceled):

14. (Previously Presented): The method according to claim 11, wherein a temperature is varied such that the ferroelectric liquid crystal is changed from the nematic phase or the isotropic phase into the smectic phase at least once when the ferroelectric liquid crystal is uniformly aligned.

15. (Original): The method according to claim 11, wherein a light intensity range of an ultraviolet light exposed when the polymer network is formed is about 1 to about 5 mW/cm².

16. (Original): The method according to claim 11, wherein a range of total exposure energy of the ultraviolet light exposed when the polymer is formed is about 240 to about 1200 mJ/cm².

17. (Original): The method according to claim 11, wherein an ultraviolet lamp for generating the ultraviolet light is selected from any one of a Hg lamp and a Xe lamp.

18. (Original): The method according to claim 17, wherein a wavelength range of the ultraviolet light is about 365 ± 100 nm.

19-29. (Canceled)

30. (Previously Presented): The method according to claim 13, wherein the polymer network maintains the uniform alignment.

31. (Previously Presented): The method according to claim 30, wherein the uniform alignment is a mono-domain alignment.